



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs  
Registration Division (7505T)  
1200 Pennsylvania Ave., N.W.  
Washington, D.C. 20460

EPA Reg. Number:

87655-6

Date of Issuance:

7/21/22

NOTICE OF PESTICIDE:

☒ Registration  
☐ Reregistration  
(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

Thidiazuron 4SC Cotton Defoliant

Name and Address of Registrant (include ZIP Code):

Orion Fomes, LLC  
340 W. 32nd Street #383  
Yuma, AZ 85364

**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA).

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data.
2. Submit one copy of the final printed label for the record before you release the product for shipment.

*Continues page 2*

Signature of Approving Official:

Mindy Ondish, Product Manager 23  
Herbicide Branch, Registration Division (7505T)

Date:

7/21/22

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) lists examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

The record for this product currently contains the following CSF(s):

- Basic CSF dated 08/31/2021

If you have any questions, please contact Jamie Harrington at (202)566-2726 or by email at [harrington.jamie@epa.gov](mailto:harrington.jamie@epa.gov).

Enclosure

**ACCEPTED**

07/21/2022

Under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, for the  
pesticide registered under  
EPA Reg. No. 87655-6

# Thidiazuron 4SC

## Cotton Defoliant

**ACTIVE INGREDIENT:**

Thidiazuron (N-phenyl-N'-1,2,3-thiadiazol-5-ylurea)\* .....41.0%

**OTHER INGREDIENTS:** ..... 59.0%**TOTAL:** ..... 100.0%

\*Contains 4.0 lb of thidiazuron per gallon

## KEEP OUT OF REACH OF CHILDREN

## CAUTION / PRECAUCIÓN

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.

(If you do not understand the label, find someone to explain it to you in detail.)

**FIRST AID****IF  
SWALLOWED**

- Call poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- DO NOT induce vomiting unless told to do so by a poison control center or doctor.
- DO NOT give anything by mouth to an unconscious person.

**IF INHALED**

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.
- Call a poison control center or doctor for further treatment advice.

**IF ON SKIN  
OR CLOTHING**

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15 to 20 minutes.
- Call a poison control center or doctor for treatment advice.

**IF IN EYES**

- Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice.

**HOTLINE NUMBER**

For MEDICAL emergencies call the National Poison Control Center at 1-800-222-1222. Have the product container or label with you when calling a poison control center or doctor, or when going for treatment.

For a transportation emergency, please contact CHEMTREC at 1-800-424-9300.

Orion Fomes, LLC  
340 W. 32<sup>nd</sup> Street, #383  
Yuma, AZ 85364  
tel. 928-342-3489

EPA Reg. No. 87655-6  
EPA Est. No.  
Net Contents:

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### CAUTION / PRECAUCIÓN

Harmful if swallowed. Avoid contact with skin, eyes, and clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

**Mixers, loaders and applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Shoes plus socks

See Engineering Controls for Requirements.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

### ENGINEERING CONTROLS

Pilots must use an enclosed cockpit that meets the requirements listed in the WPS for agricultural pesticides [40 CFR 170.240(f)]. When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.607(d-f)], the handler PPE requirements may be reduced or modified as specified in the WPS.

### USER SAFETY RECOMMENDATIONS

**Users should:**

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product.

### ENVIRONMENTAL HAZARDS

**DO NOT** apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high-water mark. **DO NOT** contaminate water when disposing of equipment washwater or rinsate. **DO NOT** apply when weather conditions favor drift from treated areas.

This product may contaminate water through drift of spray in wind. This product has a high potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential for contamination of water from runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours. Sound erosion control practices will reduce this product's contribution to surface water contamination.

This chemical has properties and characteristics associated with chemicals detected in groundwater. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

### PHYSICAL AND CHEMICAL HAZARDS

Do not mix or allow coming into contact with oxidizing agents. Hazardous chemical reaction may occur.

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. **DO NOT** apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation.

### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

**DO NOT** enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours. PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water is:

- Long-sleeved shirt and long pants
- Shoes plus socks

Thidiazuron products cannot be applied by air within 1/2 mile of lettuce or 5 miles downwind of the point of application when citrus is in flush (burst of new growth, as in springtime) in the Rio Grande Valley of Texas. Ground applications are restricted to 100 feet away from lettuce and 1/2 mile downwind from the point of application for citrus. (In general, a decrease in droplet size or increase in wind speed at the time of application will result in risk to nontarget organisms. Alternatively, if droplet size is coarser or wind speeds are lower, exposures due to drift would be reduced).

**RUNOFF PREVENTION:** To protect the environment, **DO NOT** allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

**POLLINATOR ADVISORY STATEMENT:** This product may adversely impact the forage and habitat of local pollinators, such as the monarch butterfly (and its larvae), birds, or bats if it reaches non-target areas. Protect pollinators by following label directions to minimize spray drift.

## PRODUCT INFORMATION

This product provides growers a tool to help in the harvest of cotton. This product readily disperses in water for use in various types of application equipment. Applications by ground or air of this product just prior to harvest causes the leaves to fall off the plants (defoliation) and inhibits additional plant growth. This effect helps to reduce any staining of lint that occurs during harvest and ginning.

The effects of this product may not be seen for several days after treatment. Cooler weather or other adverse conditions will require an adjustment in the dose level (i.e., higher rates) or require longer periods of time for defoliation to occur.

### **SPRAY DRIFT MANAGEMENT**

- Use a nozzle that produces medium spray or coarser spray according to ASABE (ANSI/ASAE) standard S572 for both ground and aerial application.
- When using ground application, apply with nozzle height no more than 2 feet above the ground or crop canopy.
- For both aerial and ground application, do not apply when wind speeds exceed 10 miles per hour at the application site.
- Do not spray via ground or aerial application equipment during temperature inversions.
- When applying aurally:
  - Do not release spray at a height greater than 10 ft above the crop canopy, unless a greater application height is necessary for pilot safety.
  - The spray boom must be mounted on the aircraft so as to minimize drift caused by wing tip or rotor blade vortices. The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter.
  - When applying to crops via aerial application equipment, use ½ swath displacement upwind at the downwind edge of the field.
  - Nozzles must be oriented so the spray is directed toward the back of the aircraft.

### **SPRAY DRIFT ADVISORIES**

The interaction of many equipment and weather-related factors determines the potential for spray drift. The applicator is responsible for considering all these factors when making application decisions.

### **IMPORTANCE OF DROPLET SIZE**

The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. The presence of sensitive species nearby, the environmental conditions, and pest pressure may affect how an applicator balances drift control and coverage. APPLYING LARGER DROPLETS REDUCES DRIFT POTENTIAL, BUT WILL NOT PREVENT DRIFT IF APPLICATIONS ARE MADE IMPROPERLY OR UNDER UNFAVORABLE ENVIRONMENTAL CONDITIONS! See Wind, Temperature and Humidity, and Temperature Inversions sections of this label.

#### **Controlling Droplet Size - Ground Boom**

- Volume - Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger volumes.
- Pressure - Use the lower spray pressures recommended for the nozzle. Higher pressure reduces droplet size and does not improve canopy penetration. WHEN HIGHER FLOW RATES ARE NEEDED, USE A HIGHER-CAPACITY NOZZLE INSTEAD OF INCREASING PRESSURE.
- Nozzle Type - Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles.

#### **Controlling Droplet Size - Aircraft**

- Number of Nozzles - Use the minimum number of nozzles with the highest flow rate that provide uniform coverage.
- Nozzle Orientation - Orienting nozzles so that the spray is emitted backwards, parallel to the airstream will produce larger droplets than other orientations. AVOIDING SPRAY DRIFT IS THE RESPONSIBILITY OF THE APPLICATOR.
- Nozzle Type - Solid stream nozzles (such as disc and core with swirl plate removed) oriented straight back produce larger droplets than other nozzle types.

- Boom Length - Longer booms increase drift potential. Therefore a shorter boom length is recommended.
- Application Height - Application more than 10 ft. above the canopy increases the potential for spray drift.

### **BOOM HEIGHT**

Setting the boom at the lowest referenced height (if specified) which provides uniform coverage reduces the exposure of droplets to evaporation and wind. For ground equipment, the boom should remain level with the crop and have minimal bounce.

### **WIND**

Drift potential increases at wind speeds of less than 3 mph (due to inversion potential) or more than 10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given wind speed. AVOID APPLICATIONS DURING GUSTY OR WINDLESS CONDITIONS.

**Note:** Local terrain can influence wind patterns. Every applicator needs to be familiar with local wind patterns and how they affect spray drift.

### **TEMPERATURE AND HUMIDITY**

When making applications in hot and dry conditions, set up equipment to produce larger droplets to reduce effects of evaporation.

### **TEMPERATURE INVERSIONS**

Drift potential is high during a temperature inversion. Temperature inversions restrict vertical air mixing, which causes suspended droplets to remain close to the ground and move laterally in a concentrated cloud. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

### **SHIELDED SPRAYERS**

Shielding the boom or individual nozzles can reduce the effects of wind. However, it is the responsibility of the applicator to verify that the shields are preventing drift and not interfering with uniform deposition of the product.

### **USE PRECAUTIONS**

- A rain event occurring within 24 hours of application will reduce the effectiveness of this product.
- Spray drift to non-target crops can cause crop injury or defoliation.
- Some crops (e.g., citrus, lettuce, cantaloupes, and others) are sensitive to this chemical and additional care needs to be exercised if these crops are present in adjacent fields.
- Mixtures with organophosphates can increase non-target crop phytotoxicity.
- This product will defoliate and cause injury to other plant species. Avoid spray drift to crops other than the target crop of cotton. Increased non-target phytotoxicity is sometimes observed when tank-mixing this product with organophosphates or when particularly sensitive crops such as lettuce, citrus, and cantaloupes are planted adjacent to fields treated with this product.

### **RESTRICTIONS**

- Do not apply this product through any type of irrigation system.
- Do not feed gin trash, treated foliage or immature crops to livestock.

- Pre-harvest interval (PHI): 5 days

**Additional drift reduction practices to reduce the potential for off-site spray drift to non-target crops sensitive to this product:**

- Do not make ground applications of this product within 100 feet of growing lettuce.
- Do not make aerial applications of this product within 1/2 mile of growing lettuce.
- Citrus Areas in the Rio Grande Valley of Texas: Do not make aerial applications of this product when citrus are in flush (burst of new growth, as in springtime) within 5 miles downwind of the point of application.
- Do not make ground applications of this product when citrus are in flush within 1/2 mile downwind of the application point.

**Rotational Crop Restrictions: DO NOT** replant the following crops unless the minimum specified time has elapsed after the last application of this product.

| Rotation Crop   | Plantback Interval |
|---|--------------------|
| Small grains, sorghum, corn or root crops (except carrots, onions or sugar beets) | 2 weeks            |
| Legumes, including alfalfa, or leafy vegetables (except lettuce and spinach)      | 2 months           |
| Sugar beets   | 4 months           |
| Carrots, onions or spinach  | 9 months           |
| Lettuce (replant ONLY if the soil has been deep-plowed down to 12 to 15 inches)   | 9 months           |

## USE INSTRUCTIONS

### APPLICATION TIMING

Make applications of this product only to mature cotton plants and when bolls are mature. Bolls are considered mature when the following are observed: 1) the boll does not dent when squeezed between thumb and finger; and/or 2) the boll is difficult to cut using a sharp knife; and/or 3) the seeds have fully developed cotyledons (determined by the fact that the seeds lack liquid within the seed coat if cut in cross section or if the outer edges of the seed coat are light brown).

Make product applications at least five (5) days before the expected day of harvest.

**Note:** The success of this product as a cotton defoliant depends on the following factors:

- Cotton plants are actively growing.
- Humid weather conditions exist.
- Cotton plant leaves are high in moisture content.

### APPLICATION CONDITIONS

If the temperatures at night fall below 60°F, this product applied as a stand-alone product (i.e., without a tank mix partner), may give inconsistent or ineffective defoliation and/or regrowth suppression. Improved performance of this product is achieved if application is timed so that the overnight temperatures exceed 60°F for 2 to 3 days prior to and 2 to 3 days after application.

Heat- and/or drought-stressed cotton (low leaf moisture content, thick cuticle) will not be completely defoliated and/or suppressed in growth when this product is applied to these plants.

### SEQUENTIAL PRODUCT APPLICATIONS

To avoid reduced or unsatisfactory defoliation, apply a sequential application of this product **only** if the first



application was applied as a stand-alone or as a tank mix with other defoliants. Also refer to the section on **APPLICATION CONDITIONS** of this label.

### USE OF CROP OIL / ADJUVANTS

Improved defoliation and regrowth suppression has been shown when crop oil concentrates (COC's) or penetrating oils approved for use on agricultural crops are mixed with this product and applied when nighttime temperatures are low (60° to 65°F) or when drought conditions exist. Consult the adjuvant label for use directions and rates.

When applying this product in the desert Southwest (i.e., Arizona and California), use adjuvants.

**NOTE: DO NOT use adjuvants during high temperature periods as freezing and/or desiccation of leaves has been observed.**

### MIXING INSTRUCTIONS

1. Add one-half the amount of water required to the spray applicator tank.
  2. Begin agitation and continue agitation during the addition and application steps below.
  3. Add this product.
  4. Fill the spray tank with the remainder of the water.
  5. Maintain agitation throughout application, if possible.
- Prepare only the amount of spray solution needed for a single day of application. **DO NOT** allow the spray tank mixture to stand overnight.

### TANK MIX ADJUVANTS

To improve defoliation and spray tank clean-out, add a compatibility agent or surfactant to tank mixes of this product with organophosphate defoliants. Conduct a compatibility test of all components before adding to the spray tank.

Only products which are exempt from tolerance (refer to 40 CFR 180) are permitted for this use. Consult the adjuvant label for mixing and application.

### DIRECTIONS FOR APPLICATION

Apply the specified amount of this product in sufficient volume of water to ensure uniform and thorough coverage of the leaves. Ground equipment: apply 10 to 25 gallons per acre. Aerial applications: apply 3 to 10 gallons per acre.

Ensure adequate agitation is maintained during application.

### APPLICATION USE RATES

For defoliation of rank cotton, apply a second application to ensure adequate defoliation. **DO NOT** make more than two applications and **DO NOT** exceed a total of 9.6 fl. oz. (0.3 lb. a.i./acre).

**DO NOT APPLY MORE THAN 9.6 FL. OZ. (0.3 LB. A.I./ACRE) PER YEAR.**

Use Rate Information (under normal conditions) for Cotton: 0.125 lb. a.i./A

- Maximum application rate of 0.3 lbs. a.i./A/year
- Maximum of 2 applications, but not to exceed 0.3 lbs. a.i./A/year

**Use Rate Information (under variable conditions) for Cotton:**

- Maximum application rate of 0.2 lbs. a.i./A
- Maximum application rate of 0.3 lbs. a.i./A/year
- Maximum of 2 applications, but not to exceed 0.3 lbs. a.i./A/year

For cutout and mature cotton under normal weather patterns, use this product at 0.05 to 0.10 lb. a.i./A. The 0.05 lb. a.i./A rate is most effective when used in a tank mix with other cotton defoliating products.

Increase rates of this product above 0.10 lb. a.i./A to defoliate and control regrowth during periods of rank growth/high fertilizer conditions, extreme weather conditions, such as extended periods of rain and/or low temperatures (60° to 65°F), and on full-season cotton varieties.

| To Achieve an Application Rate of: | Use This Amount of Product | At the Indicated Rate, One Gallon of Product Will Treat: |
|------------------------------------|----------------------------|--|
| 0.07 lb a.i./Acre                  | 2.3 fl oz/A                | 56 Acres   |
| 0.17 lb a.i./Acre                  | 5.4 fl oz/A                | 23.5 Acres   |
| 0.2 lb a.i./Acre                   | 6.4 fl oz/A                | 20 Acres   |

#### **ARIZONA ONLY- BOTTOM DEFOLIATION**

Use this product to improve air circulation within the cotton canopy and reduce boll rot and hard lock caused by moisture under the canopy.

Time the date of application so that application equipment can enter the fields without causing damage to the cotton crop.

Apply 0.05 lb. a.i./acre (1.6 fl. oz. of this product/A); direct the sprays to the lower 1/3 part of the plants.

#### **ARIZONA AND CALIFORNIA ONLY: PRECONDITIONING**

Apply this product to pre-condition the cotton seven to ten days prior to application of other defoliant compounds and results in improved efficacy of the defoliants. Consult the label of the other defoliant prior to use, and observe all product label directions, specifications and prohibitions.

Apply this product at rates between 0.05 lb. a.i./A (1.6 fl. oz./A), and 0.1 lb. a.i./A (3.2 fl. oz./A).

### **TANK MIXES**

**FOR ALL TANK MIXTURES:** It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture

#### **PRODUCT PLUS ETHEPHON-CONTAINING COMPOUNDS - BOLL OPENING**

Use of this product and products containing the active ingredient Ethephon or equivalents will improve defoliation and speed the opening of mature bolls. For best results, apply to mature cotton plants (refer to the **APPLICATION TIMING** section of this label). Ensure a sufficient number of bolls have matured prior to application in order to achieve good cotton yields. Certified cottonseed producers should consult seed companies to determine the boll and seed maturity requirements for their varieties. Reduced defoliation or suppression of regrowth occurs if applications are made when nighttime temperatures are expected to be below 60°F.

Apply this product at rates between 0.05 lb. a.i./A (1.6 fl. oz./A) and 0.2 lb. a.i./A (6.4 fl. oz./A) plus the labeled rate for the product containing an ethephon compound.

The higher rates of this product are used when excessive regrowth is expected or if temperatures are between 60 to 65°F.

### **PRODUCT PLUS ETHEPHON - ENHANCED DEFOLIATION**

Use the lower rates of a product containing the active ingredient Ethephon or its equivalent plus this product to enhance defoliation without affecting boll opening. After this tank mix application, use an appropriately labeled product containing the active ingredient Ethephon alone to promote boll opening but **DO NOT exceed labeled rates** for all ethephon applications to cotton. Read and follow the label directions, specifications and prohibitions for all tank-mixed products.

Apply this product at rates between 0.05 lb. a.i./A (1.6 fl. oz./A) and 0.2 lb. a.i./A (6.4 fl. oz./A) plus labeled Ethephon rates. The higher rates of this product are used when excessive regrowth is expected or if temperatures are between 60 to 65°F.

### **PRODUCT PLUS TRIBUFOS PRODUCTS - NOT FOR USE IN CAMERON, HIDALGO, STARR AND WILLACY COUNTIES OF THE STATE OF TEXAS**

If plants are treated when growing under less favorable conditions, such as when overnight temperatures are expected to be below 60°F one day prior to and three days after application, use this product and a product containing the active ingredient Tribufos tank mixes for improved regrowth suppression and defoliation. For optimum results, apply the tank mix to cotton plants that have at least 60% open bolls.

Apply this product at rates between 0.05 lb. a.i./A (1.6 fl. oz./A) and 0.2 lb. a.i./A (6.4 fl. oz./A) plus the labeled rates of a product containing the active ingredient Tribufos. Apply this product at rates between 0.05 lb. a.i./A (1.6 fl. oz./A) and 0.2 lb. a.i./A (6.4 fl. oz./A) plus a product containing the active ingredient Tribufos.

The higher rates of this product are used when excessive regrowth is expected.

The lower rates of a product containing the active ingredient Tribufos are used when nighttime temperatures are expected to be 65°F or above. Use the higher rates if conditions are not ideal.

If a second application of this tank mix is necessary, **DO NOT** exceed a total of 0.3 lb. a.i./acre (9.6 fl. oz./A) of this product.

Read and follow the label directions, specifications and prohibitions of products containing the active ingredient Tribufos.

**NOTE:** Use caution when tank mixes of phosphate defoliants plus this product are applied at the highest use rates and during extremely high temperatures since leaf desiccation occurs.

**Preparation of Tank Mixes of this product plus** a product containing the active ingredient Tribufos  
Use the directions below to prepare tank mixes of this product plus a product containing the active ingredient Tribufos:

1. Add one-half the amount of water required to the spray applicator tank.
2. Begin agitation and continue through addition and application steps.
3. Add the required amount of this product and agitate to ensure complete mixing with water.
4. Add the required amount of a product containing the active ingredient Tribufos to the spray tank.

### **SPRAY TANK CLEANOUT INSTRUCTIONS**

**IMPORTANT:** Residues form in the spray equipment of tank mixes of this product plus organophosphates. The residues can be removed using a commercial tank cleaner as long as the spray equipment is cleaned while the residue is still fresh and moist. **DO NOT ALLOW SPRAY EQUIPMENT TO DRY BEFORE CLEANING.** Consult your State Extension Cotton Specialist for instructions tank cleaners and cleaning procedures.

Immediately after application, flush the entire system (nozzles, booms, application tanks, sumps, pumps, and transfer lines, etc.) using a tank cleaner and water.

Should the spray solution be allowed to dry in the application equipment, the residues will be more difficult to remove. Use the commercial tank cleaner diluted with water to completely fill the equipment and let it stand for 7 days. Then, completely flush and rinse all equipment with water.

If spray application equipment is not thoroughly cleaned, residues of this product will remain and be released during subsequent applications and lead to crop damage.

To the extent consistent with applicable law, Orion Fomes, LLC assumes no liability for crop damage due to spray equipment that has not been properly cleaned before re-use.

## STORAGE AND DISPOSAL

**DO NOT** contaminate water, food or feed by storage or disposal.

**PESTICIDE STORAGE:** Store product at temperature less than 100°F. Re-mix product prior to use if product is exposed to freezing conditions.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

### CONTAINER HANDLING:

**NOTE:** This product is available in multiple containers. Refer to the Net Contents section of this product's labeling for the applicable "Nonrefillable" or "Refillable"

#### Nonrefillable container equal to or less than 5 gallons

Non refillable container: **DO NOT** reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. **Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full of water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

#### Nonrefillable containers greater than 5 gallons

Nonrefillable container. **DO NOT** reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full of water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. **Pressure rinse as follows:** Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure-rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

#### Refillable containers larger than 5 gallons

Refillable container. Refill this container with pesticide only. **DO NOT** reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10% full of water. Agitate vigorously or recirculate water with the pump for two minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

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